

Amendments to the Claims

This Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1-24. (cancelled)
25. (previously presented) An isolated polynucleotide comprising:
 - (a) a nucleotide sequence encoding a polypeptide having methylenetetrahydrofolate dehydrogenase activity, wherein the polypeptide has an amino acid sequence of at least 90% sequence identity, based on the Clustal method of alignment with pairwise alignment default parameters of KTUPLE=1, GAP PENALTY=3, WINDOW=5 and DIAGONALS SAVED=5, when compared to SEQ ID NO:18, or
 - (b) a complement of the nucleotide sequence of (a), wherein the complement and the nucleotide sequence consist of the same number of nucleotides and are 100% complementary.
26. (previously presented) The polynucleotide of Claim 25, wherein the amino acid sequence of the polypeptide has at least 95% sequence identity, based on the Clustal method of alignment with the pairwise alignment default parameters, when compared to SEQ ID NO:18.
27. (previously presented) The polynucleotide of Claim 25, wherein the amino acid sequence of the polypeptide comprises SEQ ID NO:18.
28. (cancelled)
29. (previously presented) A vector comprising the polynucleotide of Claim 25.
30. (previously presented) A recombinant DNA construct comprising the polynucleotide of Claim 25 operably linked to at least one regulatory sequence.
31. (previously presented) A method for transforming a cell, comprising transforming a cell with the polynucleotide of Claim 25.
32. (previously presented) A cell comprising the recombinant DNA construct of Claim 30.
- 33-34. (cancelled)